

08/07/2006

1087501 - R8 SDMS



Matthew
Cohn/ENF/R8/USEPA/US
08/07/2006 01:55 PM

To Joyce Ackerman/EPR/R8/USEPA/US@EPA
cc
bcc
Subject

----- Forwarded by Matthew Cohn/ENF/R8/USEPA/US on 08/07/2006 01:55 PM -----



"Main, Robin L."
<rmain@haslaw.com>
08/07/2006 01:49 PM

To Matthew Cohn/ENF/R8/USEPA/US@EPA
cc
Subject LaQuinta information

Matt: Pursuant to your request, I am sending the ERM soil sampling data and related logs. I am also sending in a separate email the cost estimates. We are not asserting a confidentiality request over this material.

As I stated on the phone today, LaQuinta remains committed to an expeditious resolution of this matter. However, EPA's proposal that LaQuinta pay all of the Frank Edwards' costs and one half of the cleanup costs for the site is not reasonable given LaQuinta's position in this matter. LaQuinta should benefit from any WR Grace settlement and asks that EPA/DOJ pursue the VanCott Trust aggressively. As a threshold, the 300,000 property that the Trust owns should figure into part of the Trust's contribution to the cleanup of the Edwards' building. Thanks. I look forward to hearing from you as soon as possible.

Robin L. Main
HinckleyAllenSnyderLLP
1500 Fleet Center, Providence RI 02903
Phone: (401) 457-5278
Fax: (401) 457-5279
rmain@haslaw.com
<http://www.haslaw.com>



Boring Logs.pdf La Quinta Lab Data.pdf M-Soil Sampling Technical Memo_12-19-05.pdf
----- Forwarded by Matthew Cohn/ENF/R8/USEPA/US on 08/07/2006 01:55 PM -----



"Main, Robin L."
<rmain@haslaw.com>
08/07/2006 01:51 PM

To Matthew Cohn/ENF/R8/USEPA/US@EPA
cc
Subject LaQuinta Cost Estimate

Here is the cost estimate. Again, we are not asserting a business confidentiality claim on this matter either.

Robin

Robin L. Main
HinckleyAllenSnyderLLP
1500 Fleet Center, Providence RI 02903
Phone: (401) 457-5278
Fax: (401) 457-5279
rmain@haslaw.com
<http://www.haslaw.com>



Cost Estimate Memo_07-19-06.pdf

Memorandum

Environmental
Resources
Management

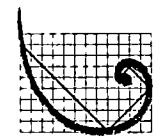
To: Robin Main, Holland & Knight

From: Michael O'Hara

Date: December 19, 2005

Subject: La Quinta Property Soil Sample Technical
Memorandum

102 West 500 South
Suite 650
Salt Lake City, Utah 84101
(801) 595-8400
(801) 595-8484 (fax)



ERM has prepared the following technical memorandum to present the observations and results from the Phase II soil sampling at the La Quinta property (Site) located south of 100 South between 300 West and 400 West in Salt Lake City, Utah. The soil samples were collected on behalf of Holland & Knight as part of the due diligence activities associated with the pending sale of the property. The soil sampling was initiated by ERM on August 23 and completed on August 25, 2005. Samples were analyzed for asbestos, and a lab report was received September 21, 2005.

SOIL SAMPLING

Soil samples from the Site were collected for the purpose of making a visual determination for the presence of vermiculite from historic processing of vermiculite ore on the adjacent property (now owned by Pacificorp). A total of 34 core locations were bored to a maximum depth of 8 feet below ground surface. A total of 75 soil samples were collected from these 34 core locations. The core locations are shown on the attached Figures 1 and 2.

Core locations were established by overlaying a grid across aerial photos of the Site, as shown on Figures 1 and 2. The grid was laid out on 20 foot centers, and named based on distance from the location identified as "0N 0E," e.g. "4S 2E" is four grid marks (80 feet) south and two marks (40 feet) east of "0N 0E".

ERM focused the core sampling in the general areas identified as potentially containing vermiculite based on the Pacificorp "Barrier Map," attached as Figure 3 (Pacificorp's "Sheet 3"). This "Barrier Map" shows three "vertical barrier" locations on the border of the Site, indicating areas containing vermiculite that appeared to continue from the Pacificorp site onto the La Quinta Site. The two southern "vertical barrier" locations closely correlate with two historic railroad alignments extending through the Site; Figure 2 has been included to show the sample locations in

relation to the northern, and most recent, railroad alignment. The third, northernmost, "vertical barrier" location does not appear to correlate to historic structures or operations, but was based on observations during removal of vermiculite from the Pacificorp property.

All cores were collected using direct-push sampling methods to drive a 2-inch diameter core sampler up to 4 feet deep. Where possible, a second core was taken from 4 to 8 feet below ground surface. Each core sample was logged for soil type and depth. Samples were collected based on visual determination of the presence, or likely presence, of vermiculite. All samples were tagged with the date, location, and depth, and placed in the ERM Salt Lake City office prior to delivery to Reservoir for laboratory analysis.

Soil samples were collected from the individual cores from sections that exhibited visible evidence of vermiculite, or appeared to have the potential for such materials. Mr. Frank Morris from CDM provided assistance to ERM staff in identifying vermiculite in soil cores. Mr. Morris was introduced to the sampling team by Ms. Joyce Ackerman, U.S. EPA, who reported that Mr. Morris had worked at the adjacent Pacificorp property during the vermiculite removal action. He assisted in making visual determination of the presence of vermiculite.

Fifteen of the 34 core locations showed potential visual evidence of some degree of vermiculite. Generally, this visual evidence of vermiculite was found at varying depths below ground surface. ERM subsequently delivered all 75 samples to Reservoirs Environmental, Inc. (Reservoirs), a certified laboratory, for analysis of asbestos.

ASBESTOS RESULTS

The asbestos lab report is provided as Attachment 1. The following table summarizes the location of positive results for asbestos.

Location	Depth Below Ground Surface (ft)	Asbestos Content
1W 1N	0.5 – 1.0	Trace
2S 0E	1.5 – 2.0	Trace
2W 0N	1.4 – 1.9	Trace

2W 0N	3.5 - 4.0	Trace
3S 0.5E	1.0 - 2.0	Trace
3S 0.5E	2.8 - 3.3	Trace
3S 0E	3.0	Trace
3S 1E	3.8 - 4.0	Trace
3S 2E	5.0	Trace
3W 1N	1.0 - 2.0	Trace
3W 2N	2.0 - 2.5	6%
3W 2N	4.0 - 5.0	Trace
4.5W 0N	2.9 - 3.2	2%
4S 0E	3.0	Trace
4S 3E	1.6	Trace
4W 0N	2.3 - 2.7	2%
4W 1N	1.0 - 2.0	Trace
4W 3N	1.5 - 2.0	3%
4W 3N	2.5 - 3.0	Trace
6S 1E	1.5 - 1.9	Trace
8S 1E	1.5 - 2.0	2%
8S 3E	1.0 - 2.0	Trace
8S 7E	2.5 - 3.0	4%
9S 0E	2.5 - 3.5	Trace
9S 4E	2.5 - 3.5	Trace
9S - 7E	"refusal"	Trace

"Trace" means asbestos was observed, but at a concentration less than 1%

All core locations contained varying degrees of a black, granular silty sand material (also logged as "mica") which Mr. Morris categorized as not being characteristic of the vermiculite observed at the Pacificorp property. ERM collected samples of this material as part of the core sampling.

Based on lab results, evidence of asbestos was found at 22 of the 34 core locations. The locations exhibiting evidence of asbestos, shown on Figures 1 and 2, are generally located along the western boundary of the

Site to approximately 200 feet east. ERM found no definitive correlation between depths or horizontal distribution for the presence of asbestos.

RESULTS AND RECOMMENDATIONS

EPA's representative, Joyce Ackerman, stated while visiting the Site during sampling activities that unless the Site could demonstrate that asbestos is not detectable, institutional controls would be required. Given this requirement, and the rather random presence of asbestos at the Site, ERM finds it difficult to estimate clean-up costs to achieve no further action without institutional controls. Admittedly, the "worst case scenario" could address removal of the top five feet of soil from the Site, but this cost may be prohibitive; however, ERM can provide a "worst case" cost estimate if it would be helpful to the property owner..

In the event that the property owner does not choose to implement institutional controls, and a removal action is selected, ERM recommends an operational plan based upon a statistical approach to characterizing the Site, and subsequently determining areas for removal. An example of such a plan would include characterization by random core sample analysis, removal of only areas exhibiting detectible asbestos, and confirmation sampling at the non-detect level.

Another approach might be to initiate discussion with EPA for the purpose of petitioning for no institutional controls based on removal of all soil exhibiting asbestos in concentration greater than or equal to 1%. This approach would necessitate, among other things, a defense based upon human health risk.

If you have any questions regarding the information presented here, please contact me at 801-595-8400.

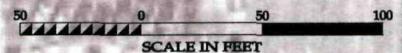
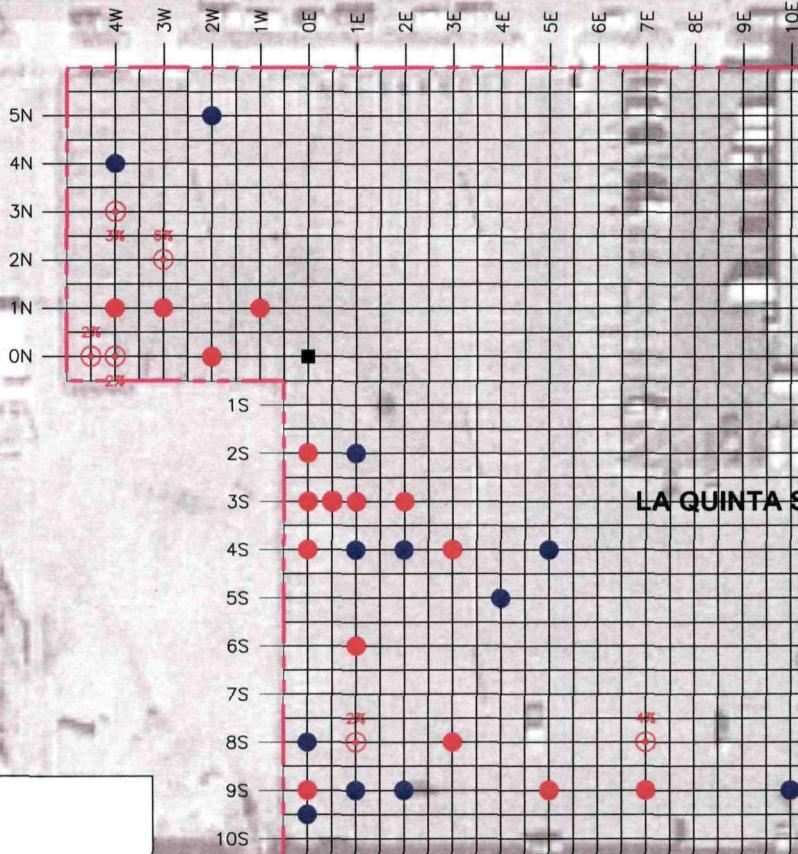
PACIFICORP SITE

LA QUINTA SITE

LEGEND

- APPROXIMATE PARCEL BOUNDARY
- GRID ORIGIN (ON OS)
- CORE SAMPLE LOCATION WITHOUT ASBESTOS
- CORE SAMPLE LOCATION WITH TRACE ASBESTOS
- 2% CORE SAMPLE LOCATION WITH PERCENTAGE ASBESTOS

100 South



1

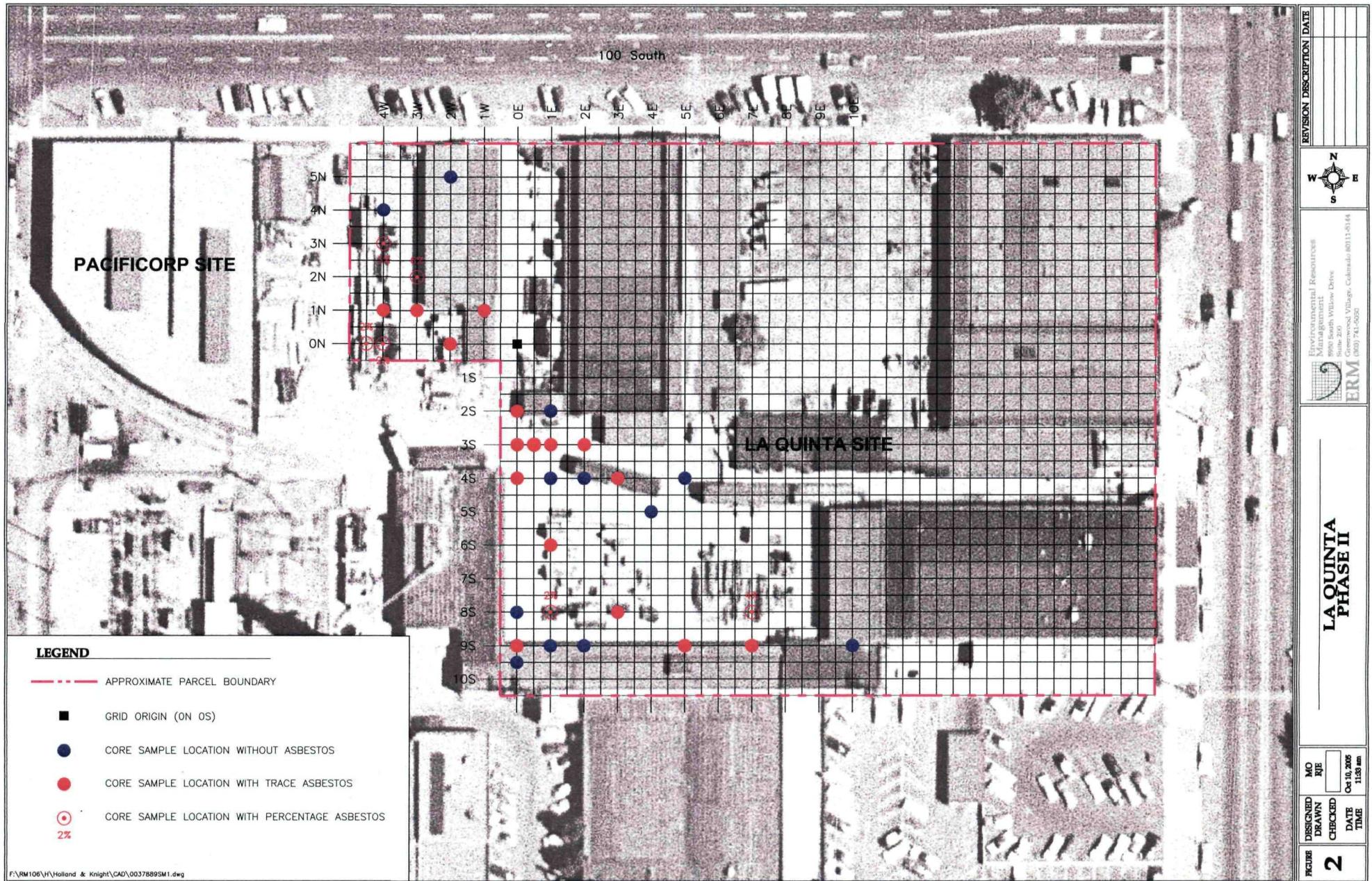
FIGURE	DESIGNED	MO	RE	DATE
1	CHECKED			Oct 10, 2006 11:20 am

LA QUINTA PHASE II

Environmental Resources Management
8900 South Willow Drive
Suite 200
(303) 741-5290
ERM Greenwood Village, Colorado 80111-5144

REVISION DESCRIPTION DATE





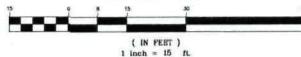
- P1 NORTH
- P2 SOUTH
- P3 EAST
- P4 WEST
- P5 DECON CLEAN ROOM
- P6 JOB TRAILER
- P7 NEG-AIR UNIT EXHAUST
- P8 ARTISTIC PRINTING ROOF
- P9 DECON EQUIPMENT ROOM
- P10 FRAC TANK OBSERVATION AREA

LEGEND

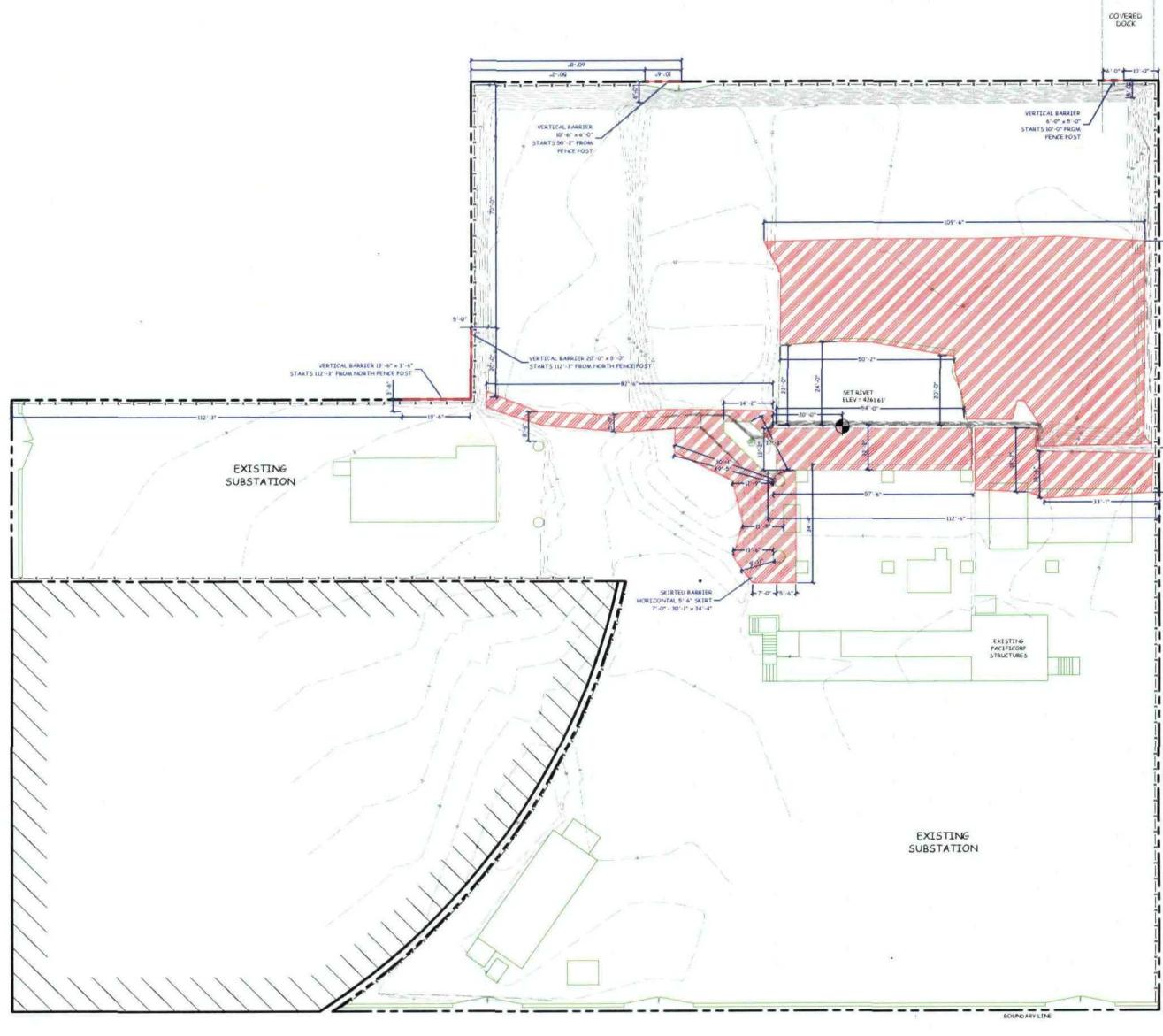
- EXISTING PUBLIC WORKS STRUCTURES
- PROPERTY BOUNDARY
— EXISTING PACIFICORP STRUCTURES



GRAPHIC SCALE



1100 SOUTH STREET



400 WEST STREET

		PACIFICORP 3RD WEST SUBSTATION REMEDIATION PROJECT 2005		SHEET NO 3	
 PACIFICORP 1407 West North Temple Salt Lake City, Utah 84116		 BARRIER DRAWING		PROJ.# 41104-201/R DMC NM SITE	SCALE 1"=15'
				DRAWN T.R.B.	DATE 02/14/2005

Reservoirs Environmental, Inc.

2059 Bryant St. Denver, CO 80211
(303) 964-1986 Fax (303) 477-4275 Toll Free (866) RESI-ENV

September 21, 2005

Laboratory Code: RES
Subcontract Number: NA
Laboratory Report: RES 119933-1
Project Description: La Quinta 0037889
Salt Lake City, UT

Sara Hess
Environmental Resources Management
102 W. 500 South, Ste. 650
Salt Lake City UT 84101

Dear Customer,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code # 101896 and the American Industrial Hygiene Association (AIHA), Lab ID 101533 - Accreditation Certificate #480. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

RES 119933-1 is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those of the client. The results described in this report only apply to the samples analyzed. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you have any questions about this report, please feel free to call 303-964-1986.

Sincerely,

Jeanne Spencer Orr
President

Analyst(s): _____
Paul D. LoScalzo Wenlong Liu
Paul F. Knappe Rich Wegryn
Michael Scales

RESERVOIRS ENVIRONMENTAL, INC.

Page 2 of 8

NVLAP Accredited Laboratory # 101896
 TDH Licensed Laboratory # 30-0136

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 11993-1
 Client: Environmental Resources Management
 Client Project Number / P.O.: La Quinta 0037889
 Client Project Description: Salt Lake City, UT
 Date Samples Received: September 14, 2005
 Analysis Type: PLM, Short Report
 Turnaround: 3-5 Day
 Date Analyzed: September 19, 2005

Analyst: PDL

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Components (%)	Non Fibrous Components (%)
					Mineral	Visual Estimate (%)		
1W 1N (2.5-3.0)	EM 1000515	A	Gray soil	100		ND	0	100
1W 1N (6.0-7.0)	EM 1000516	A	Gray soil	100		ND	0	100
1W 1N (0.5-1.0)	EM 1000517	A	Gray soil	100	Trem-Act	TR	0	100
2S 0E (1.5-2.0)	EM 1000518	A	Gray soil	100	Trem-Act	TR	0	100
2S 0E (3.5)	EM 1000519	A	Gray soil	100		ND	0	100
2S 1E (1.0)	EM 1000520	A	Black soil	100		ND	0	100
2S 1E (2.5)	EM 1000521	A	Tan soil	100		ND	0	100
2S 1E (5.0)	EM 1000522	A	Black soil	100		ND	0	100
2W 0N (3.5-4.0)	EM 1000523	A	Black soil	100	Chrysotile	TR	0	100
2W 0N (1.4-1.9)	EM 1000524	A	Tan soil	100	Trem-Act	TR	0	100
2W 5N (5.0-6.0)	EM 1000525	A	Tan soil	100		ND	0	100
2W 5N (1.0-2.0)	EM 1000526	A	Tan soil	100		ND	0	100

ND = None Detected
 TR = Trace, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite

Quality
Assured
by Giese
Date:
2005-09
21
11/3/14
09:00

Data QA

RESERVOIRS ENVIRONMENTAL, INC.

Page 3 of 8

NVLAP Accredited Laboratory # 101896

TDH Licensed Laboratory # 30-0136

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 119933-1
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 Client Project Number / P.O.: La Quinta 0037889
 Client Project Description: Salt Lake City, UT
 Date Samples Received: September 14, 2005
 Analysis Type: PLM, Short Report
 Turnaround: 3-5 Day
 Date Analyzed: September 19, 2005

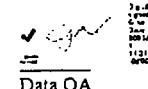
Analyst: PDL

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibers Components (%)	Non Fibrous Components (%)
					Mineral	Visual Estimate (%)		
2W 5N (3.0-4.0)	EM 1000527	A	Gray soil	100		ND	0	100
3S 0.5E (1.0-2.0)	EM 1000528	A	Tan soil	100	Trem-Act	TR	0	100
3S 0.5E (4.0-6.0)	EM 1000529	A	Black soil	100		ND	0	100
3S 0.5E (2.8-3.3)	EM 1000530	A	Black soil	100	Trem-Act	TR	0	100
3S 0E (3.0)	EM 1000531	A	Black soil	100	Trem-Act	TR	0	100
3S 0E (1.0)	EM 1000532	A	Tan soil	100		ND	0	100
3S 1E (3.0)	EM 1000533	A	Gray soil	100		ND	0	100
3S 1E (3.8-4.0)	EM 1000534	A	Tan soil	100	Chrysotile Trem-Act	TR TR	0	100
3S 2E (5.0)	EM 1000535	A	Black soil	100	Trem-Act	TR	0	100
3S 2E (2.8-3.0)	EM 1000536	A	Tan soil	100		ND	0	100
3S 2E (5.5)	EM 1000537	A	Gray soil	100		ND	0	100
3W 1N (1.0-2.0)	EM 1000538	A	Gray soil	100	Trem-Act	TR	0	100

ND = None Detected

TR = Trace, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite



 Data QA

RESERVOIRS ENVIRONMENTAL, INC.

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NVLAP Accredited Laboratory # 101896
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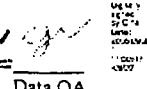
TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibers Components (%)	Non Fibrous Components (%)
					Mineral	Visual Estimate (%)		
3W 2N (2.0-2.5)	EM 1000539	A	Gray soil	100	Chrysotile Trem-Act	TR 6	0	94
3W 2N (4.0-5.0)	EM 1000540	A	Black soil	100	Trem-Act	TR	0	100
3W 2N (6.0-7.0)	EM 1000541	A	Black soil	100		ND	0	100
4.5W 0N (2.9-3.2)	EM 1000542	A	Gray soil	100	Chrysotile Trem-Act	TR 2	0	98
4S 0E (3.0)	EM 1000543	A	Black soil	100	Trem-Act	TR	0	100
4S 0E (7.2)	EM 1000544	A	Black soil	100		ND	0	100
4S 1E (3.0)	EM 1000545	A	Gray soil	100		ND	0	100
4S 1E (6.0)	EM 1000546	A	Black soil	100		ND	0	100
4S 2E (3.0)	EM 1000547	A	Black soil	100		ND	0	100
4S 2E (0.7-0.9)	EM 1000548	A	Gray soil	100		ND	0	100
4S 3E (4.7)	EM 1000549	A	Black soil	100		ND	0	100

ND = None Detected

TR = Trace, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite



Data QA

RESERVOIRS ENVIRONMENTAL, INC.

Page 5 of 8

NVLAP Accredited Laboratory # 101896
TDH Licensed Laboratory # 30-0136

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

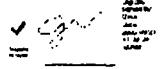
RES Job Number: RES 119933-1
Client: Environmental Resources Management
Client Project Number / P.O.: La Quinta 0037889
Client Project Description: Salt Lake City, UT
Date Samples Received: September 14, 2005
Analysis Type: PLM, Short Report
Turnaround: 3-5 Day
Analyst: PDL
Date Analyzed: September 19, 2005

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Components (%)	Non Fibrous Components (%)
					Mineral	Visual Estimate (%)		
4S 3E (1.6)	EM 1000550	A	Black soil	100	Chrysotile Trem-Act	TR TR	0	100
4S 5E (6.0-7.0)	EM 1000551	A	Gray soil	100		ND	0	100
4S 5E (1.0-1.5)	EM 1000552	A	Gray soil	100		ND	0	100
4W 0N (3.0-4.0)	EM 1000553	A	Tan soil	100		ND	0	100
4W 0N (2.3-2.7)	EM 1000554	A	Gray soil	100	Trem-Act	2	0	98
4W 1N (1.0-2.0)	EM 1000555	A	Gray soil	100	Trem-Act	TR	0	100
4W 3N (1.5-2.0)	EM 1000556	A	Gray soil	100	Chrysotile Trem-Act	TR 3	0	97
4W 3N (6.0-7.0)	EM 1000557	A	Black soil	100		ND	0	100
4W 3N (2.5-3.0)	EM 1000558	A	Black soil	100	Chrysotile Trem-Act	TR TR	0	100
4W 4N (4.0-5.0)	EM 1000559	A	Gray soil	100		ND	0	100

ND = None Detected

TR = Trace, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite



Data QA

RESERVOIRS ENVIRONMENTAL, INC.

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NVLAP Accredited Laboratory # 101896
 TDH Licensed Laboratory # 30-0136

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

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Analyst: PDL

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non-Asbestos Fibers Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
4W 4N (2.3-2.6)	EM 1000560	A	Gray soil	100		ND	0	100
5S 4E (2.0-3.0)	EM 1000561	A	Black soil	100		ND	0	100
5S 4E (6.0-7.0)	EM 1000562	A	Black soil	100		ND	0	100
6S 1E (1.5-1.9)	EM 1000563	A	Black soil	100	Trem-Act	TR	0	100
6S 1E (2.4-2.7)	EM 1000564	A	Black soil	100		ND	0	100
6S 1E (7.0-8.0)	EM 1000565	A	Black soil	100		ND	0	100
8S 0E (3.5-4.0)	EM 1000566	A	Black soil	100		ND	0	100
8S 0E (1.5-2.5)	EM 1000567	A	Black soil	100		ND	0	100
8S 0E (4.5-5.0)	EM 1000568	A	Tan soil	100		ND	0	100
8S 1E (1.5-2.0)	EM 1000569	A	Black soil	100	Chrysotile Trem-Act	TR 2	0	98
8S 3E (7.0-8.0)	EM 1000570	A	Black soil	100		ND	0	100
8S 3E (4.0-5.0)	EM 1000571	A	Brown soil	100		ND	0	100

ND = None Detected

TR = Trace, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite


 Data QA

RESERVOIRS ENVIRONMENTAL, INC.

Page 7 of 8

NVLAP Accredited Laboratory # 101896
 TDH Licensed Laboratory # 30-0136

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

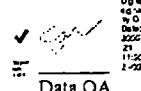
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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Components (%)	Non Fibrous Components (%)
					Mineral	Visual Estimate (%)		
8S 3E (1.0-2.0)	EM 1000572	A	Black soil	100	Trem-Act	TR	0	100
8S 7E (2.5-3.0)	EM 1000573	A	Black soil	100	Chrysotile Trem-Act	4 TR	0	96
8S 7E (7.0-7.5)	EM 1000574	A	Black soil	100		ND	0	100
9.5S 0E (2.5-3.0)	EM 1000575	A	Tan soil	100		ND	0	100
9.5S 5E (2.0-3.0)	EM 1000576	A	Tan soil	100		ND	0	100
9.5S 5E (0.0-1.0)	EM 1000577	A	Orange soil	100		ND	0	100
9S 0E (2.5-3.5)	EM 1000578	A	Black soil	100	Trem-Act	TR	0	100
9S 0E (5.5-6.0)	EM 1000579	A	Black soil	100		ND	0	100
9S 10E (3.5-4.0)	EM 1000580	A	Black soil	100		ND	0	100
9S 10E (6.0-7.0)	EM 1000581	A	Black soil	100		ND	0	100
9S 7E (2.0-3.0)	EM 1000582	A	Black soil	100		ND	0	100

ND = None Detected
 TR = Trace, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite


 ✓ Data QA
 09/17/05
 4:04 PM
 By D. A.
 Date: 2005-09-17
 11:30:1
 2-23-05

RESERVOIRS ENVIRONMENTAL, INC.

NVLAP Accredited Laboratory # 101896

TDH Licensed Laboratory # 30-0136

Page 8 of 8

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 119933-1**
 Client: **Environmental Resources Management**
 Client Project Number / P.O.: **La Quinta 0037889**
 Client Project Description: **Salt Lake City, UT**
 Date Samples Received: **September 14, 2005**
 Analysis Type: **PLM, Short Report**
 Turnaround: **3-5 Day**
 Date Analyzed: **September 19, 2005**

Analyst: PDL

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibers Components (%)	Non Fibrous Components (%)
					Mineral	Visual Estimate (%)		
9S 7E (4.0-4.5)	EM 1000583	A	Black soil	100		ND	0	100
9S 7E (6.0-6.5)	EM 1000584	A	Black soil	100		ND	0	100
9S 2E (1.5-2.4)	EM 1000585	A	Gray soil	100		ND	0	100
9S 2E (3.5-4.0)	EM 1000586	A	Black soil	100		ND	0	100
9S 4E (2.5-3.5)	EM 1000587	A	Gray soil	100	Chrysotile	TR	0	100
9S 4E (6.0-7.0)	EM 1000588	A	Black soil	100		ND	0	100
9S 7E (Refusal)	EM 1000589	A	Gray soil	100	Chrysotile	TR	0	100

ND = None Detected

TR = Trace, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite

Digitally signed
 by Gina
 Date: 2005.09.21
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 D-0800

Data QA

ATTACHMENT 2
Boreing Logs



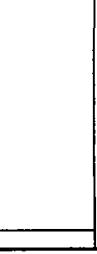
102 West 500 South, Suite 650
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ERM (801) 595-8400

Borehole Number: 1W 1N

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Brian Smith
Date Drilled: 8/25/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 8'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION		
						1	2	3
0						Ground Surface		
1	1W 1N (0.5-1')					Silty Sandy Gravel fill, reddish brown		
2	1W 1N (2.5-3')					Clayey Silt with trace gravel, dark brown, dark black granular material from 0.5-1' and 2.5-3', trace amounts of possible vermiculite present in granular material, very small flakes (<1mm)		
3								
4								
5								
6								
7								
8						Gravel coarse, rounded		
9								
10								

Notes:

Reviewed By:



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Borehole Number: 2S 1E

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Michael O'Hara
Date Drilled: 8/23/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 7'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION
0						Ground Surface
1-2S 1E (1.0')						Gravel fill, with sand, light brown
2						Clayey Silt black
3						Clayey Silt grey and brown, with gravel, trace mica
4						Clayey Silt dark brown/black with organic natural soil
5-2S 1E (5.0')						
6						
7						
8						
9						
10						

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Borehole Number: 2W 5N

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Brian Smith
Date Drilled: 8/25/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 8'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION										
						0	1	2	3	4	5	6	7	8	9	10
0						Ground Surface										
1						Silty Sandy Gravel fill, reddish brown										
2	2W 5N (1-2')					Clayey Silt trace to some gravel, dark brown, trace amounts of possible vermiculite (<1mm) from 1-2', no indication of vermiculite at deeper depths										
3	2W 5N (3-4')															
4																
5	2W 5N (5-6')															
6						Gravel with Sand light brown, possible fill										
7																
8						Silty Clay brown										
9																
10																
Notes:																
Reviewed By:																

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Borehole Number: 3S 0E

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Michael O'Hara
Date Drilled: 8/23/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 8'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION	
						Soil Description	Soil Classification
0						Ground Surface	
1-3S 0E (1.0')						Gravel fill, with sand, light gray to brown	
2						Sand fill, dark brown to black, trace mica flakes	
3-3S 0E (3.0')						Sand light brown	
4							
5							
6							
7							
8							
9							
10							
Notes:							
Reviewed By:							

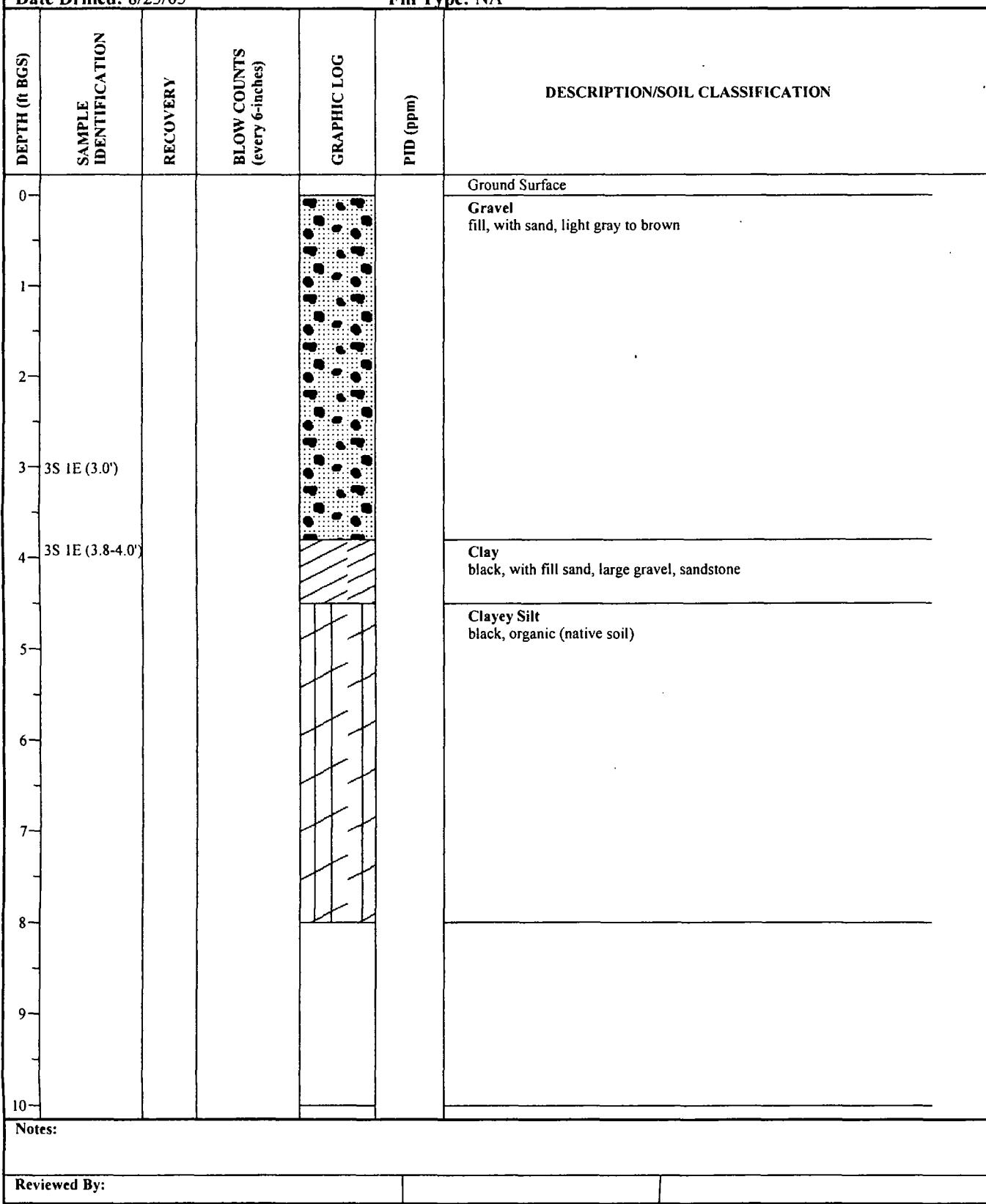
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Borehole Number: 3S 1E

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Michael O'Hara
Date Drilled: 8/23/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 8'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA





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Borehole Number: 3S 2E

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Michael O'Hara
Date Drilled: 8/23/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 6.5'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION		
						3S 2E (2.8-3.0')	3S 2E (5.0')	3S 2E (5.5')
0						Ground Surface		
1						Gravel fill, with sand, brown		
2						Silt grey, with gravel		
3	3S 2E (2.8-3.0')							
4								
5	3S 2E (5.0')							
6								
7								
8								
9								
10								
Notes:								
Reviewed By:								


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Borehole Number: 3W 2N

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Brian Smith
Date Drilled: 8/25/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 8'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PHD (ppm)	DESCRIPTION/SOIL CLASSIFICATION
0						Ground Surface
1						Silty Sand fill, reddish brown
2	3W 2N (2-2.5')					Gravelly Clay and Silt brown, dark black granular material from approx 2.5-2.8' and 3.4-3.8', possible vermiculite throughout, very small flakes (<1-2mm). Some larger (5-10mm) from 2-2.5'
3						
4	3W 2N (4-5')					Clayey Gravel fill, dark brown, trace amount of possible vermiculite
5						
6	3W 2N (6-7')					Clayey Silt and Sand trace gravel possible fill, no visual indication of vermiculite
7						
8						
9						
10						
Notes:						
Reviewed By:						



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Borehole Number: 4.5W 0N

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Brian Smith
Date Drilled: 8/25/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 4'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

Date Drilled: 8/25/05		Pile Type: NA		DESCRIPTION/SOIL CLASSIFICATION	
DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)
0					Ground Surface
1					Silty Sandy Gravel fill, reddish brown
2					
3	4.5W 0N (2.9-3.2')				Silty Sandy Gravel fill, dark brown, possible vermiculite flakes throughout - more prevalent from 2.9 to 3.2
4					
5					
6					
7					
8					
9					
10					

9
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Borehole Number: 4S 0E

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Michael O'Hara
Date Drilled: 8/23/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 8'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PHD (ppm)	DESCRIPTION/SOIL CLASSIFICATION	
0						Ground Surface	
1						Gravel fill, with sand, light brown	
2							
3	4S 0E (3.0')						
4						Gravel large, with black clay	
5							
6							
7	4S 0E (7.2')					Clayey Silt black organics, native soil	
8							
9							
10							
Notes:							
Reviewed By:							



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Borehole Number: 4S 1E

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Michael O'Hara
Date Drilled: 8/23/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 8'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION
0						Ground Surface
1						Gravel fill, with sand, light grey to brown
2						Clayey Silt dark, with trace gravel
3 - 4S 1E (3.0')						
4						
5						
6 - 4S 1E (6.0')						Clayey Silt black organics, native soil
7						
8						
9						
10						

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Borehole Number: 4S 3E

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Michael O'Hara
Date Drilled: 8/23/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 6'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION
0						Ground Surface
1						Gravel fill, with sand, brown
4S 3E (1.6')						Clayey Silt with some gravel, dark grey
2						
3						
4						Clayey Silt dark organic, black, native
4S 3E (4.7')						
5						
6						
7						
8						
9						
10						

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Borehole Number: 4S 5E

Sheet 1 of 1

Proj. #: 0037889

Client: La Quinta

Location: Salt Lake City

Drilling Co: ASA Probe

Driller: Rolf Larsen

Logged By: Brian Smith

Date Drilled: 8/24/05

Drilling Method: Direct Push

Boring Diam: 1.5"

Total Depth: 8'

Depth to Water: NA

Fill Type: NA

Fill Type: NA

Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION		
						0-1'	1-2'	2-3'
0						Ground Surface		
1						Silty Sandy Gravel fill, reddish brown		
2								
3								
4								
5								
6								
7								
8								
9								
10								

Notes: Trace black granular material from 1-1.5'

Reviewed By:

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Borehole Number: 4W 0N

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Brian Smith
Date Drilled: 8/25/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 5'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION
0						Ground Surface
1						Silty Sandy Gravel fill, reddish brown
2						Silty Clayey Gravel fill, dark brown, possible vermiculite throughout, more prominent from 2.3-2.7' (flakes 0.5-5mm)
3	4W 0N (2.3-2.7')					Sand dark brown, possible trace amount of vermiculite
4	4W 0N (3-4')					
5						
6						
7						
8						
9						
10						

Notes:

Reviewed By:

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Borehole Number: 4W 1N

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Brian Smith
Date Drilled: 8/25/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 3'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION		
						0	1	2
0						Ground Surface		
4W IN (1-2')						Silty Sandy Gravel fill, reddish brown		
1						Silty Clayey Gravel fill, dark brown, possible vermiculite throughout (1-5mm flakes)		
2								
3								
4								
5								
6								
7								
8								
9								
10								
Notes: Refusal at 3' - possible building foundation								
Reviewed By:								

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Borehole Number: 4W 4N

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Brian Smith
Date Drilled: 8/25/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 5'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION	
0						Ground Surface	
1						Silty Sandy Gravel fill, reddish brown to brown, trace black granular material from 2.3- 2.6', no visible indicaitons of vermiculite	
2							
3	4W 4N (2.3-2.6')						
4	4W 4N (4-5')					Clayey Silt trace gravel, dark brown	
5							
6							
7							
8							
9							
10							
Notes:							
Reviewed By:							

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Borehole Number: 6S 1E

Sheet 1 of 1

Proj. #: 0037889
 Client: La Quinta
 Location: Salt Lake City
 Drilling Co: ASA Probe
 Driller: Rolf Larsen
 Logged By: Brian Smith
 Date Drilled: 8/24/05

Drilling Method: Direct Push
 Boring Diam: 1.5"
 Total Depth: 8'
 Depth to Water: NA
 Fill Type: NA
 Fill Type: NA
 Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION		
						6S 1E (1.5-1.9')	6S 1E (2.4-2.7')	6S 1E (7-8')
0						Ground Surface		
1						Silty Sandy Gravel fill, reddish brown		
2						Silty Sandy Gravel fill, brown to grey, black silty sandy granular material from 1.5-1.9' and 2.4-2.7' possible vermiculite flakes present in both zones		
3						Silty Sand fill, trace clay and gravel, light grey brown		
4						Silty Sandy Gravel fill black granular material intermixed, possible vermiculite flakes visible		
5								
6						Silty Clay trace gravel, dark brown		
7								
8								
9								
10								
Notes:								
Reviewed By:								



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Borehole Number: 8S 1E

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Brian Smith
Date Drilled: 8/24/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 1.5'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION
0						Ground Surface
1	8S 1E (1-1.5')					Silty Sandy Gravel fill, reddish brown
2						
3						
4						
5						
6						
7						
8						
9						
10						



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Borehole Number: 8S 7E

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Brian Smith
Date Drilled: 8/24/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 8'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION
0						Ground Surface
1						Silty Sandy Gravel fill
2						Silty Sand fill, black, trace amount of possible vermiculite
3	8S 7E (2.5-3')					Sandy Gravel fill, white
4						Silty Sand trace to some gravel from 3-5', possible vermiculite present
5						Clayey Silt dark brown, trace gravel
6						
7	8S 7E (6.5-7')					
8						
9						
10						

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Borehole Number: 9.5S 0E

Sheet 1 of 1

Proj. #: 0037889
 Client: La Quinta
 Location: Salt Lake City
 Drilling Co: ASA Probe
 Driller: Rolf Larsen
 Logged By: Brian Smith
 Date Drilled: 8/24/05

Drilling Method: Direct Push
 Boring Diam: 1.5"
 Total Depth: 7'
 Depth to Water: NA
 Fill Type: NA
 Fill Type: NA
 Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION		
						Soil Description	Depth Range (ft BGS)	Notes
0						Ground Surface		
1						Silty Sandy Gravel		
2						fill, reddish brown		
3	9.5S 0E (2.5-3')					Silty Sandy Gravel		
4						fill, dark black granular material from 2.5-4' and 5.5-6'		
5								
6						Clayey Silt		
7						dark brown, trace gravel, native		
8								
9								
10								
Notes:								
Reviewed By:								

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(801) 595-8400**

Borehole Number: 9.5S 5E

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Brian Smith
Date Drilled: 8/25/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 3'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION
0						Ground Surface
9.5S 5E (0-1')						Silty Sandy Gravel fill, reddish brown
1						Silt fill, trace fine gravel, light brown, no vermiculite
2						
3						
4						
5						
6						
7						
8						
9						
10						

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Borehole Number: 9S 0E

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Brian Smith
Date Drilled: 8/24/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 8'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION
0						Ground Surface
1						Silty Sandy Gravel fill, reddish brown
2						
3 - 9S 0E (2.5-3.5')						Silty Sandy Gravel fill, possible vermiculite present
4						
5						
6 - 9S 0E (5.5-6')						Clayey Silt brown, trace gravel
7						
8						
9						
10						

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Borehole Number: 9S 10E

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Brian Smith
Date Drilled: 8/25/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 8
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION
0						Ground Surface
1						Silty Sand fill, reddish brown to grey, black granular material present from 3.5-4', no visible indication of vermiculite
2						
3						
4	9S 10E (3.5-4')					Clayey Silt dark brown, no visible indication of vermiculite
5						
6						
7	9S 10E (6-7')					
8						Gravel trace sand
9						
10						
Notes:						
Reviewed By:						



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Salt Lake City, UT 84101

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Borehole Number: 9S 1E

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Brian Smith
Date Drilled: 8/24/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 8'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION
0						Ground Surface
1						Silty Sandy Gravel fill, reddish brown
2						Silty Sand with very fine gravel, dark black, possible vermiculite flakes
3	9S 1E (2-3')					Gravel fill, white, trace fines, dry
4	9S 1E (4.0-4.5')					Silty Sand with very fine gravel, dark black, possible vermiculite flakes
5						Silty Sandy Gravel fill, light brown
6	9S 1E (5.5-6.0')					Silty Sand with very fine gravel, dark black, possible vermiculite flakes
7						Clayey Silt trace to some gravel, moist native
8						
9						
10						

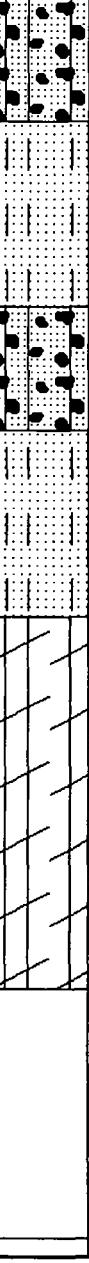
 102 West 500 South, Suite 650
Salt Lake City, UT 84101
ERM (801) 595-8400

Borehole Number: 9S 2E

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Brian Smith
Date Drilled: 8/24/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 8'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION
0						Ground Surface
1						Silty Sandy Gravel fill, reddish brown, dry
2 - 9S 2E (1.5-2.4')						Silty Sand fill, trace gravel, dark black, possible vermiculite flakes
3						Silty Sandy Gravel fill, dark brown dry to slightly moist
4 - 9S 2E (3.5-4')						Silty Sand fill, dark brown to black, visible mica/vermiculite present, trace fine gravel, possible vermiculite flakes
5						Clayey Silt trace gravel, moist to dry, dark brown, native
6						
7						
8						
9						
10						

Notes:

Reviewed By:

102 West 500 South, Suite 650
 Salt Lake City, UT 84101
 ERM (801) 595-8400

Borehole Number: 9S 4E

Sheet 1 of 1

Proj. #: 0037889
 Client: La Quinta
 Location: Salt Lake City
 Drilling Co: ASA Probe
 Driller: Rolf Larsen
 Logged By: Brian Smith
 Date Drilled: 8/24/05

Drilling Method: Direct Push
 Boring Diam: 1.5"
 Total Depth: 8'
 Depth to Water: NA
 Fill Type: NA
 Fill Type: NA
 Fill Type: NA

DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION		
						0	1	2
0						Ground Surface		
1						Silty Sandy Gravel fill, reddish brown		
2						Silty Sandy Gravel fill, greyish brown, trace amount of possible vermiculite intermixed		
3 - 9S 4E (2.5-3.5')								
4								
5						Clayey Silt trace fine gravel, dark brown, moist, native		
6								
7								
8								
9								
10								
Notes: Sample from 6-7' collected from native soil below fill, possible verification sample								
Reviewed By:								



**102 West 500 South, Suite 650
Salt Lake City, UT 84101
(801) 595-8400**

Borehole Number: 9S 7E

Sheet 1 of 1

Proj. #: 0037889
Client: La Quinta
Location: Salt Lake City
Drilling Co: ASA Probe
Driller: Rolf Larsen
Logged By: Brian Smith
Date Drilled: 8/24/05

Drilling Method: Direct Push
Boring Diam: 1.5"
Total Depth: 1.5'
Depth to Water: NA
Fill Type: NA
Fill Type: NA
Fill Type: NA

Date Drilled: 8/2/03		TIN Type: N/A				
DEPTH (ft BGS)	SAMPLE IDENTIFICATION	RECOVERY	BLOW COUNTS (every 6-inches)	GRAPHIC LOG	PID (ppm)	DESCRIPTION/SOIL CLASSIFICATION
0						Ground Surface
1	9S 7E (1-1.5')					Silty Sand fill, black, possible vermiculite flakes present
2						
3						
4						
5						
6						
7						
8						
9						
10						

Reservoirs Environmental, Inc.

2059 Bryant St. Denver, CO 80211
(303) 964-1986 Fax (303) 477-4275 Toll Free (866) RESI-ENV

September 21, 2005

Laboratory Code: RES
Subcontract Number: NA
Laboratory Report: RES 119933-1
Project Description: La Quinta 0037889
Salt Lake City, UT

Sara Hess
Environmental Resources Management
102 W. 500 South, Ste. 650
Salt Lake City UT 84101

Dear Customer,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code # 101896 and the American Industrial Hygiene Association (AIHA), Lab ID 101533 - Accreditation Certificate #480. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

RES 119933-1 is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those of the client. The results described in this report only apply to the samples analyzed. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you have any questions about this report, please feel free to call 303-964-1986.

Sincerely,

Jeanne Spencer Orr
President

Analyst(s): _____
Paul D. LoScalzo Wenlong Liu
Paul F. Knappe Rich Wegrzyn
Michael Scales

RESERVOIRS ENVIRONMENTAL, INC.

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NVLAP Accredited Laboratory # 101896
TDH Licensed Laboratory # 30-0136

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 119933-1
Client: Environmental Resources Management
Client Project Number / P.O.: La Quinta 0037889
Client Project Description: Salt Lake City, UT
Date Samples Received: September 14, 2005
Analysis Type: PLM, Short Report
Turnaround: 3-5 Day
Date Analyzed: September 19, 2005

Analyst: PDL

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibers Components (%)	Non Fibrous Components (%)
					Mineral	Visual Estimate (%)		
1W 1N (2.5-3.0)	EM 1000515	A	Gray soil	100		ND	0	100
1W 1N (6.0-7.0)	EM 1000516	A	Gray soil	100		ND	0	100
1W 1N (0.5-1.0)	EM 1000517	A	Gray soil	100	Trem-Act	TR	0	100
2S 0E (1.5-2.0)	EM 1000518	A	Gray soil	100	Trem-Act	TR	0	100
2S 0E (3.5)	EM 1000519	A	Gray soil	100		ND	0	100
2S 1E (1.0)	EM 1000520	A	Black soil	100		ND	0	100
2S 1E (2.5)	EM 1000521	A	Tan soil	100		ND	0	100
2S 1E (5.0)	EM 1000522	A	Black soil	100		ND	0	100
2W 0N (3.5-4.0)	EM 1000523	A	Black soil	100	Chrysotile	TR	0	100
2W 0N (1.4-1.9)	EM 1000524	A	Tan soil	100	Trem-Act	TR	0	100
2W 5N (5.0-6.0)	EM 1000525	A	Tan soil	100		ND	0	100
2W 5N (1.0-2.0)	EM 1000526	A	Tan soil	100		ND	0	100

ND = None Detected

TR = Trace, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite

✓ *[Signature]*
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RESERVOIRS ENVIRONMENTAL, INC.

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NVLAP Accredited Laboratory # 101896

TDH Licensed Laboratory # 30-0136

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 119933-1**
 Client: **Environmental Resources Management**
 Client Project Number / P.O.: **La Quinta 0037889**
 Client Project Description: **Salt Lake City, UT**
 Date Samples Received: **September 14, 2005**
 Analysis Type: **PLM, Short Report**
 Turnaround: **3-5 Day**
 Date Analyzed: **September 19, 2005**

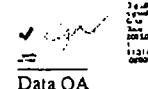
Analyst: PDL

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibers Components (%)	Non Fibrous Components (%)
					Mineral	Visual Estimate (%)		
2W 5N (3.0-4.0)	EM 1000527	A	Gray soil	100		ND	0	100
3S 0.5E (1.0-2.0)	EM 1000528	A	Tan soil	100	Trem-Act	TR	0	100
3S 0.5E (4.0-6.0)	EM 1000529	A	Black soil	100		ND	0	100
3S 0.5E (2.8-3.3)	EM 1000530	A	Black soil	100	Trem-Act	TR	0	100
3S 0E (3.0)	EM 1000531	A	Black soil	100	Trem-Act	TR	0	100
3S 0E (1.0)	EM 1000532	A	Tan soil	100		ND	0	100
3S 1E (3.0)	EM 1000533	A	Gray soil	100		ND	0	100
3S 1E (3.8-4.0)	EM 1000534	A	Tan soil	100	Chrysotile Trem-Act	TR TR	0	100
3S 2E (5.0)	EM 1000535	A	Black soil	100	Trem-Act	TR	0	100
3S 2E (2.8-3.0)	EM 1000536	A	Tan soil	100		ND	0	100
3S 2E (5.5)	EM 1000537	A	Gray soil	100		ND	0	100
3W 1N (1.0-2.0)	EM 1000538	A	Gray soil	100	Trem-Act	TR	0	100

ND = None Detected

TR = Trace, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite



Data QA

RESERVOIRS ENVIRONMENTAL, INC.

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NVLAP Accredited Laboratory # 101896
 TDH Licensed Laboratory # 30-0136

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 119933-1
 Client: Environmental Resources Management
 Client Project Number / P.O.: La Quinta 0037889
 Client Project Description: Salt Lake City, UT
 Date Samples Received: September 14, 2005
 Analysis Type: PLM, Short Report
 Turnaround: 3-5 Day
 Date Analyzed: September 19, 2005

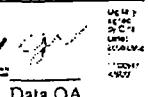
Analyst: PDL

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibers Components (%)	Non Fibrous Components (%)
					Mineral	Visual Estimate (%)		
3W 2N (2.0-2.5)	EM 1000539	A	Gray soil	100	Chrysotile Trem-Act	TR 6	0	94
3W 2N (4.0-5.0)	EM 1000540	A	Black soil	100	Trem-Act	TR	0	100
3W 2N (6.0-7.0)	EM 1000541	A	Black soil	100		ND	0	100
4.5W 0N (2.9-3.2)	EM 1000542	A	Gray soil	100	Chrysotile Trem-Act	TR 2	0	98
4S 0E (3.0)	EM 1000543	A	Black soil	100	Trem-Act	TR	0	100
4S 0E (7.2)	EM 1000544	A	Black soil	100		ND	0	100
4S 1E (3.0)	EM 1000545	A	Gray soil	100		ND	0	100
4S 1E (6.0)	EM 1000546	A	Black soil	100		ND	0	100
4S 2E (3.0)	EM 1000547	A	Black soil	100		ND	0	100
4S 2E (0.7-0.9)	EM 1000548	A	Gray soil	100		ND	0	100
4S 3E (4.7)	EM 1000549	A	Black soil	100		ND	0	100

ND = None Detected

TR = Trace, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite



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RESERVOIRS ENVIRONMENTAL, INC.

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NVLAP Accredited Laboratory # 101896
TDH Licensed Laboratory # 30-0136

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

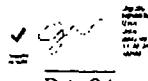
RES Job Number: RES 119933-1
Client: Environmental Resources Management
Client Project Number / P.O.: La Quinta 0037889
Client Project Description: Salt Lake City, UT
Date Samples Received: September 14, 2005
Analysis Type: PLM, Short Report
Turnaround: 3-5 Day
Date Analyzed: September 19, 2005

Analyst: PDL

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibers Components (%)	Non Fibrous Components (%)
					Mineral	Visual Estimate (%)		
4S 3E (1.6)	EM 1000550	A	Black soil	100	Chrysotile Trem-Act	TR TR	0	100
4S 5E (6.0-7.0)	EM 1000551	A	Gray soil	100		ND	0	100
4S 5E (1.0-1.5)	EM 1000552	A	Gray soil	100		ND	0	100
4W ON (3.0-4.0)	EM 1000553	A	Tan soil	100		ND	0	100
4W ON (2.3-2.7)	EM 1000554	A	Gray soil	100	Trem-Act	2	0	98
4W 1N (1.0-2.0)	EM 1000555	A	Gray soil	100	Trem-Act	TR	0	100
4W 3N (1.5-2.0)	EM 1000556	A	Gray soil	100	Chrysotile Trem-Act	TR 3	0	97
4W 3N (6.0-7.0)	EM 1000557	A	Black soil	100		ND	0	100
4W 3N (2.5-3.0)	EM 1000558	A	Black soil	100	Chrysotile Trem-Act	TR TR	0	100
4W 4N (4.0-5.0)	EM 1000559	A	Gray soil	100		ND	0	100

ND = None Detected
TR = Trace, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite



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NVLAP Accredited Laboratory # 101896

TDH Licensed Laboratory # 30-0136

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 119933-1
 Client: Environmental Resources Management
 Client Project Number / P.O.: La Quinta 0037889
 Client Project Description: Salt Lake City, UT
 Date Samples Received: September 14, 2005
 Analysis Type: PLM, Short Report
 Turnaround: 3-5 Day
 Date Analyzed: September 19, 2005

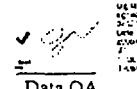
Analyst: PDL

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibers Components (%)	Non Fibrous Components (%)
					Mineral	Visual Estimate (%)		
4W 4N (2.3-2.6)	EM 1000560	A	Gray soil	100		ND	0	100
5S 4E (2.0-3.0)	EM 1000561	A	Black soil	100		ND	0	100
5S 4E (6.0-7.0)	EM 1000562	A	Black soil	100		ND	0	100
6S 1E (1.5-1.9)	EM 1000563	A	Black soil	100	Trem-Act	TR	0	100
6S 1E (2.4-2.7)	EM 1000564	A	Black soil	100		ND	0	100
6S 1E (7.0-8.0)	EM 1000565	A	Black soil	100		ND	0	100
8S 0E (3.5-4.0)	EM 1000566	A	Black soil	100		ND	0	100
8S 0E (1.5-2.5)	EM 1000567	A	Black soil	100		ND	0	100
8S 0E (4.5-5.0)	EM 1000568	A	Tan soil	100		ND	0	100
8S 1E (1.5-2.0)	EM 1000569	A	Black soil	100	Chrysotile Trem-Act	TR 2	0	98
8S 3E (7.0-8.0)	EM 1000570	A	Black soil	100		ND	0	100
8S 3E (4.0-5.0)	EM 1000571	A	Brown soil	100		ND	0	100

ND = None Detected

TR = Trace, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite



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NVLAP Accredited Laboratory # 101896
 TDH Licensed Laboratory # 30-0136

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 119933-1
 Client: Environmental Resources Management
 Client Project Number / P.O.: La Quinta 0037889
 Client Project Description: Salt Lake City, UT
 Date Samples Received: September 14, 2005
 Analysis Type: PLM, Short Report
 Turnaround: 3-5 Day
 Date Analyzed: September 19, 2005

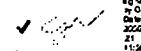
Analyst: PDL

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibers Components (%)	Non Fibrous Components (%)
					Mineral	Visual Estimate (%)		
8S 3E (1.0-2.0)	EM 1000572	A	Black soil	100	Trem-Act	TR	0	100
8S 7E (2.5-3.0)	EM 1000573	A	Black soil	100	Chrysotile Trem-Act	4 TR	0	96
8S 7E (7.0-7.5)	EM 1000574	A	Black soil	100		ND	0	100
9.5S 0E (2.5-3.0)	EM 1000575	A	Tan soil	100		ND	0	100
9.5S 5E (2.0-3.0)	EM 1000576	A	Tan soil	100		ND	0	100
9.5S 5E (0.0-1.0)	EM 1000577	A	Orange soil	100		ND	0	100
9S 0E (2.5-3.5)	EM 1000578	A	Black soil	100	Trem-Act	TR	0	100
9S 0E (5.5-6.0)	EM 1000579	A	Black soil	100		ND	0	100
9S 10E (3.5-4.0)	EM 1000580	A	Black soil	100		ND	0	100
9S 10E (6.0-7.0)	EM 1000581	A	Black soil	100		ND	0	100
9S 7E (2.0-3.0)	EM 1000582	A	Black soil	100		ND	0	100

ND = None Detected

TR = Trace, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite


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NVLAP Accredited Laboratory # 101896
TDH Licensed Laboratory # 30-0136

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 119933-1
Client: Environmental Resources Management
Client Project Number / P.O.: La Quinta 0037889
Client Project Description: Salt Lake City, UT
Date Samples Received: September 14, 2005
Analysis Type: PLM, Short Report
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Analyst: PDL

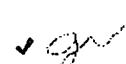
Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibers Components (%)	Non Fibrous Components (%)
					Mineral	Visual Estimate (%)		
9S 7E (4.0-4.5)	EM 1000583	A	Black soil	100		ND	0	100
9S 7E (6.0-6.5)	EM 1000584	A	Black soil	100		ND	0	100
9S 2E (1.5-2.4)	EM 1000585	A	Gray soil	100		ND	0	100
9S 2E (3.5-4.0)	EM 1000586	A	Black soil	100		ND	0	100
9S 4E (2.5-3.5)	EM 1000587	A	Gray soil	100	Chrysotile	TR	0	100
9S 4E (6.0-7.0)	EM 1000588	A	Black soil	100		ND	0	100
9S 7E (Refusal)	EM 1000589	A	Gray soil	100	Chrysotile	TR	0	100

ND = None Detected

TR = Trace, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite

Digitally signed by Gina Date: 2005.09.21 11:29:59 -08'00'



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